



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re U.S. Patent Application)	
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SATO <i>et al.</i>)	
)	
Application 10/077,163)	Art Unit 1634
)	
Filed: February 15, 2002)	Examiner Bradley L. Sisson
)	
For: BIOPOLYMER HYBRIDIZATION CHAMBER)	
(AS AMENDED))	
)	
Attorney Docket No. HIRA.0058)	

DECLARATION UNDER 37 C.F.R. § 1.132

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

I, Keiichi Sato, am a Engineer at the Division of Life Science of the Department of product Development (Hitachi Software engineering Co.,Ltd.), and I do hereby declare and state that:

1. I have a BS degree in Mechanical and Control Engineering at the University of Electro-Communications, Japan.
2. Since 2000, I have been working as a Engineer at Hitachi Software engineering Co.,Ltd., Japan.
3. I extended my scientific experience during trainings in molecular biological techniques such as DNA Chip Assay and DNA Detecting Device and DNA Chip in the Hitachi Software engineering Co.,Ltd. , Japan from 2000 to 2002.
4. As part of my research, I regularly carry out hybridization assays and I have used devices over the years designed to facilitate that assay.
5. Since 2003, I have used the DNA chip whose brochure is attached herewith.
6. The drawings and text of the Brochure describe the following steps:
 - Step 1. Place cover glass on a silicon sheet in an airtight manner.
 - Step 2. Set the silicon sheet on a tray.
 - Step 3. Drop sample solution on the cover glass.
 - Step 4. Put the microarray.

Step 5. Drop evaporation-preventing water on the back surface of the microarray.

Step 6. Insert the tray into the case.

Step 7. Seal the case with lock-fitting in airtight manner.

Step 8. Leave the unit in a constant-temperature bath.

7. I have also read the disclosure of U.S. Application Serial Number 10/077, 163.

8. The microarray described in the above Step 4 in the brochure is a DNA chip, which corresponds to the slide glass 10 of the invention. Namely, the photograph of microarray in step 4 corresponds to Fig 2A of the invention.

9. The brochure adequately enables me to use the invention for carrying out hybridization species on any molecular species that is the subject of my research inquiry.

10. The disclosure of the invention in U.S. 10/077, 163 also adequately enables me to use the invention for carrying out hybridization species on any molecular species that is the subject of my research inquiry.

All statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that the statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents ensuing thereon.

Date: Apr. 3, 2006

Respectfully submitted,

Keiichi Sato

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